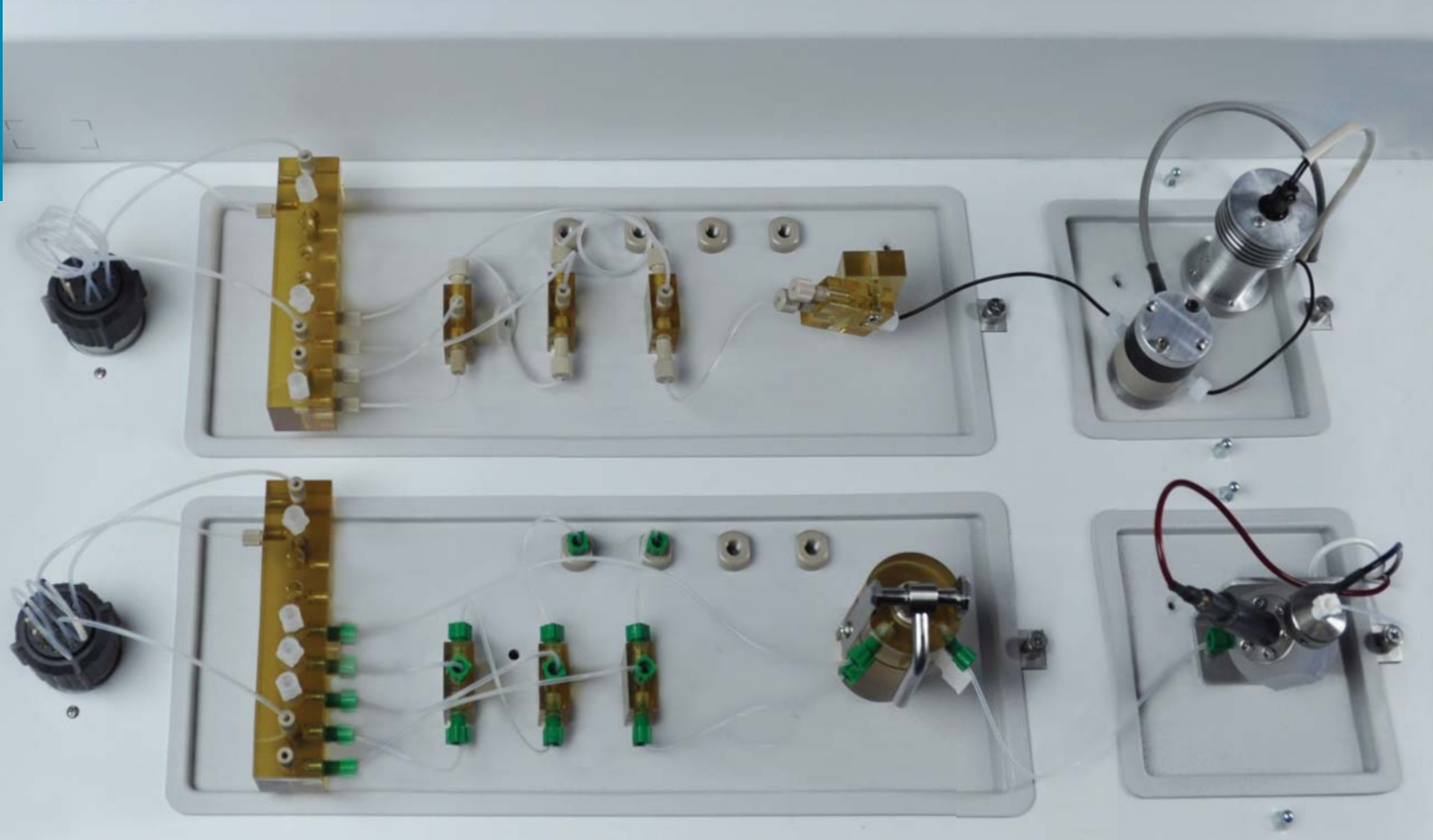




Flow Solution 3700

Automated Chemistry Analyzer

Automating Wet Chemistry for

Flow Solution™ 3700

For years, laboratories have turned to OI Analytical for accurate, reliable continuous flow analyzers. Our next generation of flow instrumentation features game-changing technology that significantly improves laboratory workflow, making the Flow Solution 3700 Automated Chemistry Analyzer the most efficient, flexible, and easy-to-use system available for automated wet chemistry analysis.

Perform 30-90 analyses per hour, per channel

Automate sample preparation and analysis of USEPA, ASTM, ISO, DIN or in-house QA/QC methods

Save time and money by automating digestion, distillation and/or dialysis

Use any combination of SFA, FIA, iSFA and/or sFIA methods with a variety of detectors

Versatile single platform for regulatory monitoring, QA/QC, and research

Intuitive FlowView software provides powerful data analysis capability



Advanced Technology for Superior Performance

Flexible, Modular Design

The unique, modular design of the FS 3700 gives the system superior flexibility. Different flow methods, including SFA (segmented flow analysis), FIA (flow injection analysis), iSFA and sFIA can be run on different channels on the system simultaneously. A variety of pre-configured chemistry cartridges and industry-leading detectors can be utilized with plug-and-play ease. Multiple systems can be linked to provide additional channels of concurrent analysis.

Validated Methods

OI Analytical validates the hardware configuration and performance of every method supplied with the FS 3700 analyzer, providing users a total analysis solution. Methods for aqueous samples, soil or plant extracts are available to support environmental compliance monitoring, process optimization and research applications.

Ammonia, Chloride, Cyanide, Fluoride, Nitrate, Phenol, Phosphorous, Silica, TKN, and more!

- ## Powerful Software Capabilities

FS 3700 Specifications

Analysis Module	1 or 2 chemical analysis channels per chassis
Analysis Module Dimensions	31 in. W x 17.5 in. D x 10.5 in. H 78.74 cm W x 44.45 cm D x 26.67 cm H
FS 3700 Dimensions with 90-position Autosampler	Approximately 44 in. (112 cm) W
FS 3700 Dimensions with 360-position Autosampler	Approximately 51.5 in. (131 cm) W
Injection Valve	8 or 10-port switching valve with chemically-inert wetted surfaces
Photometric Detector	420-880 nm, with PEEK path lengths of 5-, 10- or 20-mm
Amperometric Detector	Silver working electrode, silver/silver chloride reference, stainless steel counter electrode
In-line Heater	Included as needed, mounted underneath chemistry cartridge, user programmable in 1 °C increments
UV-digestion Module	Included as needed, mounted underneath chemistry cartridge
Peristaltic Pump	24-channel, fits on top of analysis module
Autosampler	90-position, X-Y-Z (90 samples + 9 standards) 360-position, X-Y-Z (360 samples + 10 standards)
Tubing	FEP Teflon® and EVA ethylene-vinyl acetate copolymer
Manifolds / Fittings	Polysulfone
Analysis Methods / Documentation	Validated chemistries for specific analytes/sample matrices with performance data
Operating Software	FlowView
Operating System	Windows® 7, Windows® 8, 8.1 and 10
Data Collection	6 channels per instance of software Multiple instances of software can be run on a single computer
PC to FS 3700 Communications	USB
Power Supply	24VDC universal switching power supply for operation with 90-250VAC 50/60Hz source
Power Requirements	110VAC/60 Hz or 230VAC/50 Hz
Weight (Analysis Module)	19.5 kg (43 lbs.), typical for analysis module and pump, two injection valves, chemistry cartridges, detector modules
Certifications	CE Safety EN 61010-1 EMC Immunity & Emissions EN 61326-1:2006



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